

Application No. 09/911,673
Response to Office Action

Customer No. 01933

Listing of Claims:

1. (Currently Amended) A display system comprising:
a host apparatus having an image output interface;
a display apparatus which is operated by supply of a video
signal and power from said host apparatus; and
5 a communication interface for communicating data between
said host apparatus and said display apparatus,
wherein said host display apparatus comprises a storing unit
for storing power consumption data, and
wherein said display apparatus transmits said power
10 consumption data stored in said storing unit to said host
apparatus via said communication interface, and said host
apparatus processes said received power consumption data and
performs power control of said display system based on said
processed power consumption data.

2. (Previously Presented) A system according to Claim 1,
wherein said communication interface has a specification for
communication which conforms with a DDC1/DDC2B/DDC2AB standard
prescribed by Video Electronics Standards Association or an
5 expansion function thereof.

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3. (Previously Presented) A system according to Claim 1, wherein said display apparatus has a mode for operating only said communication interface for communication with said host apparatus.

4. (Previously Presented) A system according to Claim 1, wherein said display apparatus comprises an alarm indicator lamp for alarm display.

5. (Currently Amended) A display system comprising:
a host apparatus having an image output interface;
a display apparatus which is operated by supply of at least one of a video signal and power from said host apparatus; and
a communication interface for communicating data between said host apparatus and said display apparatus,
wherein said display apparatus comprises a storing unit for storing power consumption data and a display-side communication means section for transmitting said power consumption data stored in said storing unit, and

10 wherein said host apparatus comprises a host-side communication means section for receiving said power consumption data transmitted from said display apparatus and a power control means section for entirely performing power control of said

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15 display system based on said power consumption data received from
said host-side communication means section.

6. (Currently Amended) A system according to Claim 5,
wherein:

5 said display apparatus further comprises ~~storing means a~~
memory for storing on-screen display information, and said
display-side communication means section transmits said on-screen
display information, and

10 in said host apparatus, said host-side communication means
section receives said on-screen display information, and said
host apparatus further comprises an information superimposing
means section for superimposing said received on-screen display
information on the video signal.

7. (Currently Amended) A display system comprising:
a host apparatus having an image output interface;
a display apparatus which is operated by receiving at least
a video signal from said host apparatus; and
5 a communication interface for communicating data between
said host apparatus and said display apparatus,
wherein said display apparatus comprises ~~storing means a~~
memory for storing on-screen display information, and a display-

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side communication means section for transmitting the on-screen
10 display information,

wherein said host apparatus comprises a host-side
communication means section for receiving the on-screen display
information transmitted by said display apparatus, and an
information superimposing means section for superimposing the
15 received on-screen display information on the video signal, and

wherein in said display system, said host-side communication
means section transmits the video signal ~~superimposed on having~~
the on-screen display information superimposed thereon, said
display-side communication means section receives the transmitted
20 signal, and said display apparatus displays an image of said on-
screen display information.

8. (Currently Amended) A system according to Claim 5,
wherein said communication interface has a specification for
communication between said host-side communication means section
and said display-side communication means section which conforms
5 with a DDC1/DDC2B/DDC2AB standard prescribed by Video Electronics
Standards Association or an expansion function thereof.

9. (Currently Amended) A system according to Claim 7,
wherein said communication interface has a specification for

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5 communication between said host-side communication ~~means~~ section and said display-side communication ~~means~~ section which conforms with a DDC1/DDC2B/DDC2AB standard prescribed by Video Electronics Standards Association or an expansion function thereof.

10. (Previously Presented) A system according to Claim 5, wherein said display apparatus includes a mode for operating only said communication interface for communication with said host apparatus.

11. (Previously Presented) A system according to Claim 7, wherein said display apparatus includes a mode for operating only said communication interface for communication with said host apparatus.

12. (Original) A system according to Claim 5, wherein said display apparatus further comprises an indicator lamp for alarm display.

13. (Original) A system according to Claim 7, wherein said display apparatus further comprises an indicator lamp for alarm display.

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14. (Currently Amended) A system according to Claim 6,
wherein:

5 said host apparatus further comprises ~~a first storing means~~
~~memory~~ for storing on-screen display information thereof, and a
second ~~storing means~~ ~~memory~~ for storing the on-screen display
information of said display apparatus which is received via said
host-side communication ~~means~~ section, and

10 said information superimposing ~~means~~ section converts the
on-screen display information stored in at least one of said
first ~~storing means~~ ~~memory~~ and said second ~~storing means~~ ~~memory~~
into indicatable bit map information, and superimposes the
indicatable bit map information on the video signal.

15. (Currently Amended) A system according to Claim 7,
wherein:

5 said host apparatus further comprises ~~a first storing means~~
~~memory~~ for storing on-screen display information thereof, and a
second ~~storing means~~ ~~memory~~ for storing the on-screen display
information of said display apparatus which is received via said
host-side communication ~~means~~ section, and

10 said information superimposing ~~means~~ section converts the
on-screen display information stored in at least one of said
first ~~storing means~~ ~~memory~~ and said second ~~storing means~~ ~~memory~~

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into indicatable bit map information, and superimposes the indicatable bit map information on the video signal.

16. (Previously Presented) A system according to Claim 6, wherein said on-screen display information comprises ASCII text data.

17. (Previously Presented) A system according to Claim 7, wherein said on-screen display information comprises ASCII text data.

18. (Previously Presented) A system according to Claim 6, wherein said display apparatus is adapted to be selectively connected to a plurality of types of host apparatuses.

19. (Previously Presented) A system according to Claim 7, wherein said display apparatus is adapted to be selectively connected to a plurality of types of host apparatuses.

20. (Previously Presented) A system according to Claim 6, wherein said host apparatus is adapted to be selectively connected to a plurality of types of display apparatuses.

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21. (Previously Presented) A system according to Claim 7, wherein said host apparatus is adapted to be selectively connected to a plurality of types of display apparatuses.

22. (Currently Amended) A microdisplay apparatus adapted to be connected to a host apparatus, said microdisplay apparatus comprising:

5 a memory means for storing monitor request voltage information and monitor current consumption information as specific Extended Display Identification Data information on said microdisplay apparatus; and

10 a communication interface means for communicating with said host apparatus, and transmitting said monitor request voltage information and said monitor current consumption information to said host apparatus.

23. (Currently Amended) A display system comprising a host apparatus and the microdisplay apparatus according to Claim 22, wherein:

5 said host apparatus is connected to said microdisplay apparatus via a digital interface,

 said microdisplay apparatus further comprises detecting means a detector for detecting a power voltage and a power

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current consumption, and transmits values of said power voltage and said power current consumption detected by said ~~detecting~~
10 ~~means~~ detector to said host apparatus via said communication interface ~~means~~, and

15 said host apparatus comprises a control ~~means~~ section for controlling an output voltage of said host apparatus based on said Extended Display Identification Data information which is stored in said memory ~~means~~ of said microdisplay apparatus, and said detected values of the power voltage and power current consumption, all of which are communicated to said host apparatus via said communication interface ~~means~~.

24. (New) A method for controlling a display system including a host apparatus and a display apparatus, said method comprising:

5 supplying a video signal and power from the host apparatus to the display apparatus to operate the display apparatus;

transmitting power consumption data stored in the display apparatus to the host apparatus; and

10 performing power control of the display system by the host apparatus based on the power consumption data received from the display apparatus.

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25. (New) A method for controlling a display system including a host apparatus and a display apparatus, said method comprising:

5 supplying at least one of a video signal and power from the host apparatus to the display apparatus to operate the display apparatus;

transmitting power consumption data stored in the display apparatus to the host apparatus; and

10 performing power control of the display system by the host apparatus based on the power consumption data received from the display apparatus.

26. (New) A method for controlling a display system including a host apparatus and a display apparatus, said method comprising:

5 supplying at least a video signal from the host apparatus to the display apparatus to operate the display apparatus;

transmitting on-screen display information stored in the display apparatus from the display apparatus to the host apparatus;

10 superimposing the on-screen display information received by the host apparatus onto the video signal supplied from the host apparatus to the display apparatus; and

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displaying an image of the on-screen display information on the display apparatus based on the video signal having the on-screen display information superimposed thereon.